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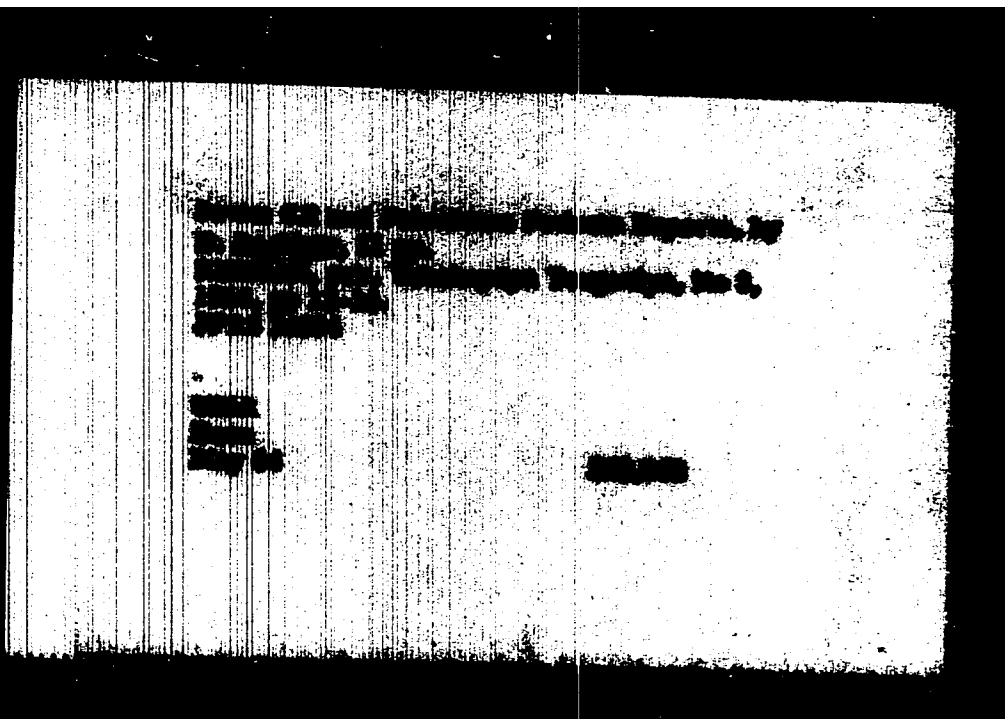
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DESCRIPTORS: *Particles, *Wood, Classification,
Separation, Gas flow, *Fiberboard, Quality control.

The tasks of sifting comprise on wood particles, the
mathematical bases of air sifting are derived and it is
proved that this is the procedure suited best for the
sifting of wood particles. The factor governing
separation is the floating-velocity which depends on
several influencing factors. The fluctuations of these
factors, except for those of the air resistance, can be
(Materials--Wood, TT, v. 10, no. 3) (over)

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II. Obermaier, M.
III. Title: Basic ...

Office of Technical Services

omitted. Therefore, tests have been carried out for which the technically significant procedure of sifting in a horizontal airflow was chosen. The separation of the particles according to their surface weight is quite well effected in accordance with theory. Shape and size are of minor importance. Frequency diagrams with a variation coefficient of some 30% are developing. By these scatterings the sifting becomes nonsharp. If sifting in a horizontal air-flow is used for wind-layered or throw-layered particleboards, these defects are rather rare. This is different if out of a mixture of chips those particles have to be separated which exceed a definite thickness.

PB-

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DESCRIPTORS: *Cigarettes, Smokes, Tobacco, *Dis-
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(Biological Sciences--Pathology, TT, v. 9, no. 2)

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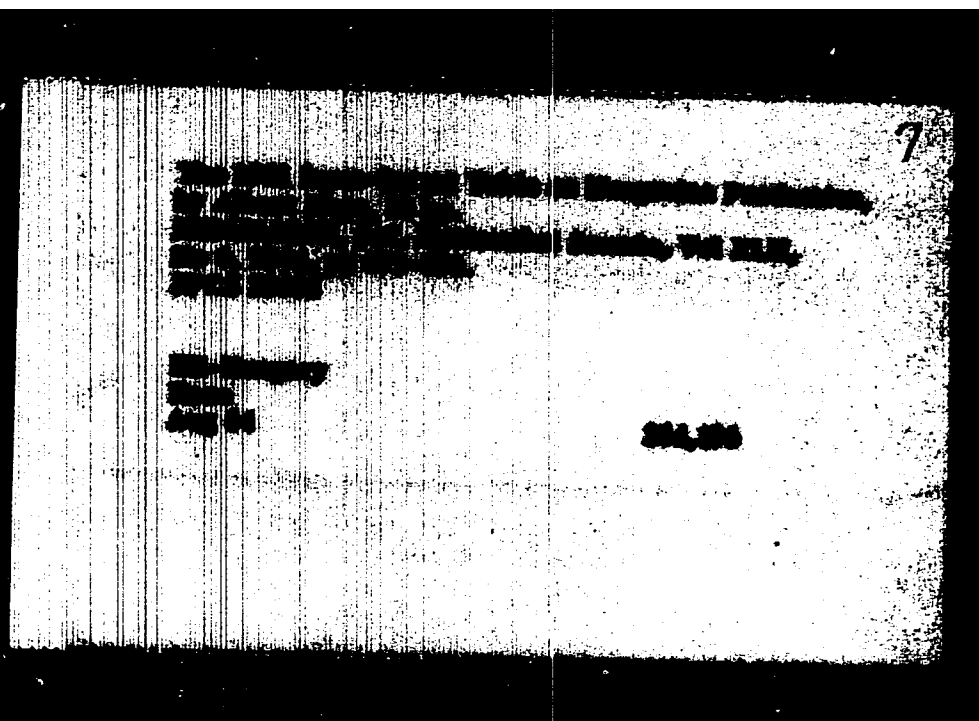
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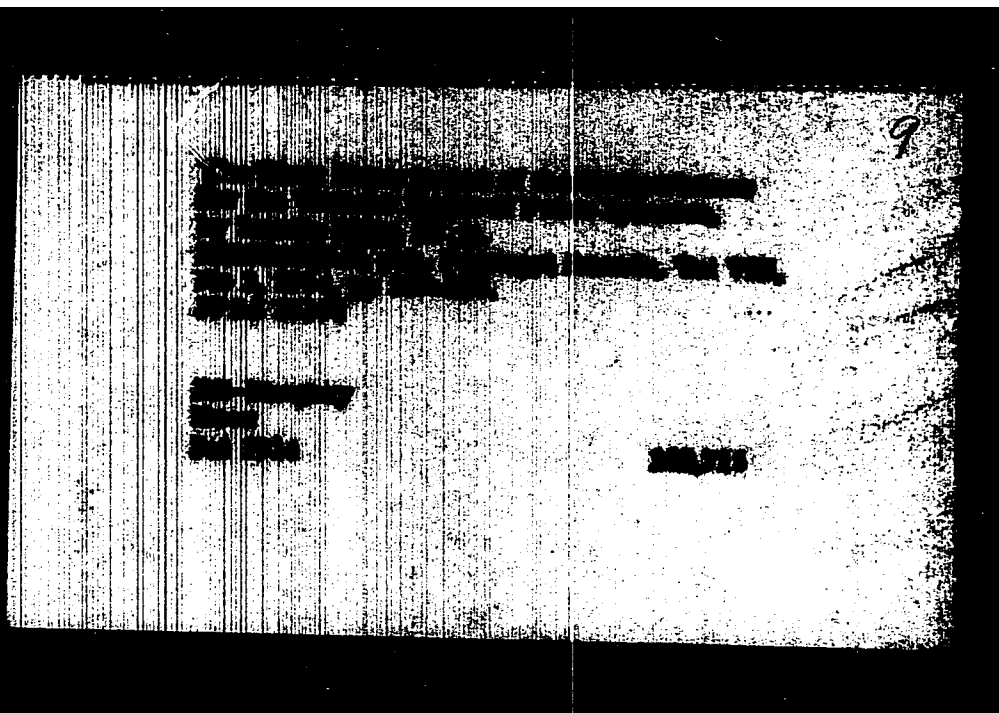
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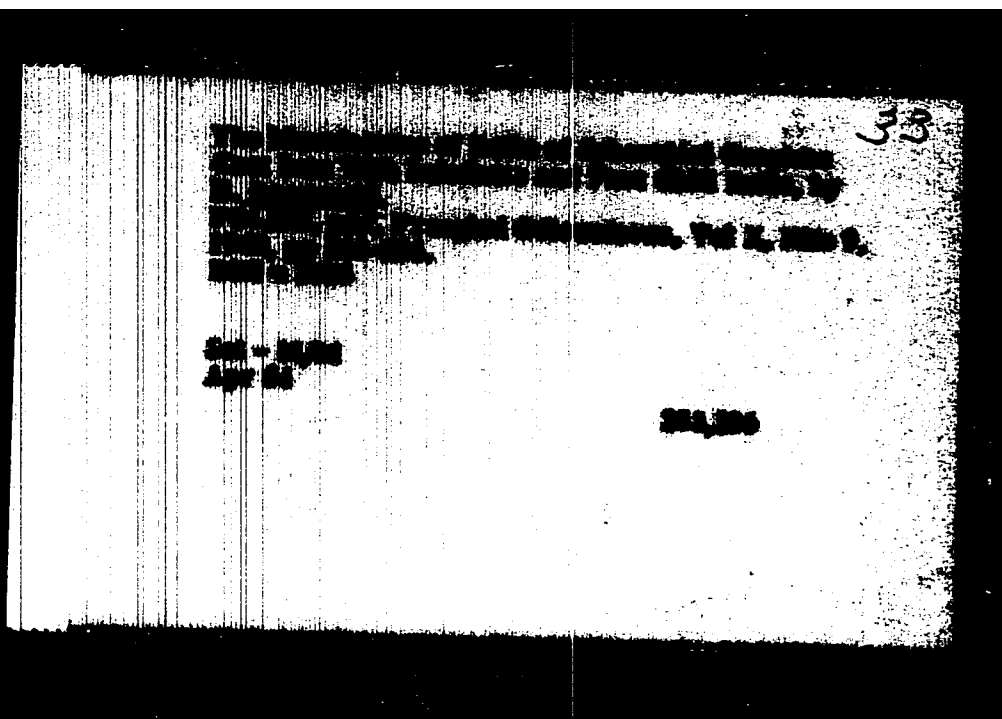
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